## CLAIMS:-

1. A pagewidth printhead assembly for a printer, the printer having a page width, the assembly comprising:

a longitudinal core;

a pagewidth printhead mounted to the core;

the pagewidth printhead comprising two or more modular printheads;

the pagewidth printhead being stationary relative to the page width;

the core being contained within an outer laminated shell, the shell having an effective coefficient of thermal expansion substantially equal to that of the printhead.

2. A printhead assembly according to claim 1, wherein:

the core has formed in it one or more ink reservoirs.

3. A printhead assembly according to claim 1, wherein:

the laminate of the outer shell is formed from at least three metals laminated together, the laminate having inner and outer layers which are of the same metal.

4. A printhead assembly according to claim 1, wherein:

the printhead is fabricated from silicon.

5. A printhead assembly according to claim 4, wherein:

the printhead is constructed using micro electromechanical techniques.

6. A printhead assembly according to claim 1, wherein:

the core is an extrusion defining separate ink reservoirs.

7. A printhead assembly according to claim 1, wherein:

the outer shell is a laminated structure having an odd number of longitudinally extending layers of at least two different metals wherein layers are arranged in a symmetrical arrangement.

8. A printhead assembly according to claim 1, wherein:
the modular printheads are positioned end to end along the core.

9. A printhead assembly according to claim 1, wherein:
the laminated shell comprises two or more different materials, each having a different coefficient of thermal expansion.

10. A printhead assembly according to claim 6, wherein:
the extrusion comprises adjacent reservoirs which collectively lead to one or more micro mouldings which are carried by the core.

11. A printhead assembly according to claim 9, wherein:
the laminated shell comprises outer layers of invar.